

IN THE CLAIMS

The current status of the claims is reflected in the below listing of claims.

1. (Currently Amended) A composition for use as a catalyst in oxidation or reduction reactions, the composition comprising platinum and copper, wherein (i) the concentration of platinum is greater than 50 atomic percent and less than about 80 atomic percent, and (ii) the composition has ~~a~~ an average particle size which is less than ~~35~~ 25 angstroms (Å).

2. (Original) The composition of claim 1 wherein the sum of the concentrations of platinum and copper therein is greater than about 95 atomic percent.

3. (Previously Presented) The composition of claim 1 wherein said composition comprises an alloy of platinum and copper.

4. (Previously Presented) The composition of claim 1 wherein said composition consists essentially of an alloy of platinum and copper.

5. (Currently Amended) The composition of claim 1 wherein the composition has ~~a~~ an average particle size which is greater less than about 20 angstroms ~~and less than 35 angstroms~~.

6. (Currently Amended) The composition of claim 1 wherein the composition has ~~a~~ an average particle size which is greater than about 25 angstroms ~~and less than 30 angstroms~~ less

than 15 angstroms.

7. (Previously Presented) The composition of claim 1 wherein the concentration of platinum is greater than about 60 atomic percent and less than about 80 atomic percent.

8. (Previously Presented) The composition of claim 1 wherein the concentration of platinum is greater than about 65 atomic percent and less than about 75 atomic percent.

9. (Previously Presented) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising the composition of claim 1 on electrically conductive supports.

10. - 21. (Canceled)

22. - 30. (Canceled)

31. - 71. (Canceled)

72. (Previously Presented) The composition of claim 2 wherein said composition comprises an alloy of platinum and copper.

73. (Previously Presented) The composition of claim 2 wherein said composition consists essentially of an alloy of platinum and copper.

74. (Currently Amended) The composition of claim 2 wherein the composition has ~~a~~ an average particle which is ~~greater~~

less than about 20 angstroms ~~and less than 35 angstroms.~~

75. (Currently Amended) The composition of claim 2 wherein the composition has ~~a~~ an average particle size which is ~~greater than about 25 angstroms and less than 30 angstroms~~ less than 15 angstroms.

76. (Previously Presented) The composition of claim 2 wherein the concentration of platinum is greater than about 60 atomic percent and less than about 80 atomic percent.

77. (Previously Presented) The composition of claim 2 wherein the concentration of platinum is greater than about 65 atomic percent and less than about 75 atomic percent.

78. (Previously Presented) A supported electrocatalyst powder for use in electrochemical reactor devices, the supported electrocatalyst powder comprising the composition of claim 2 on electrically conductive supports.